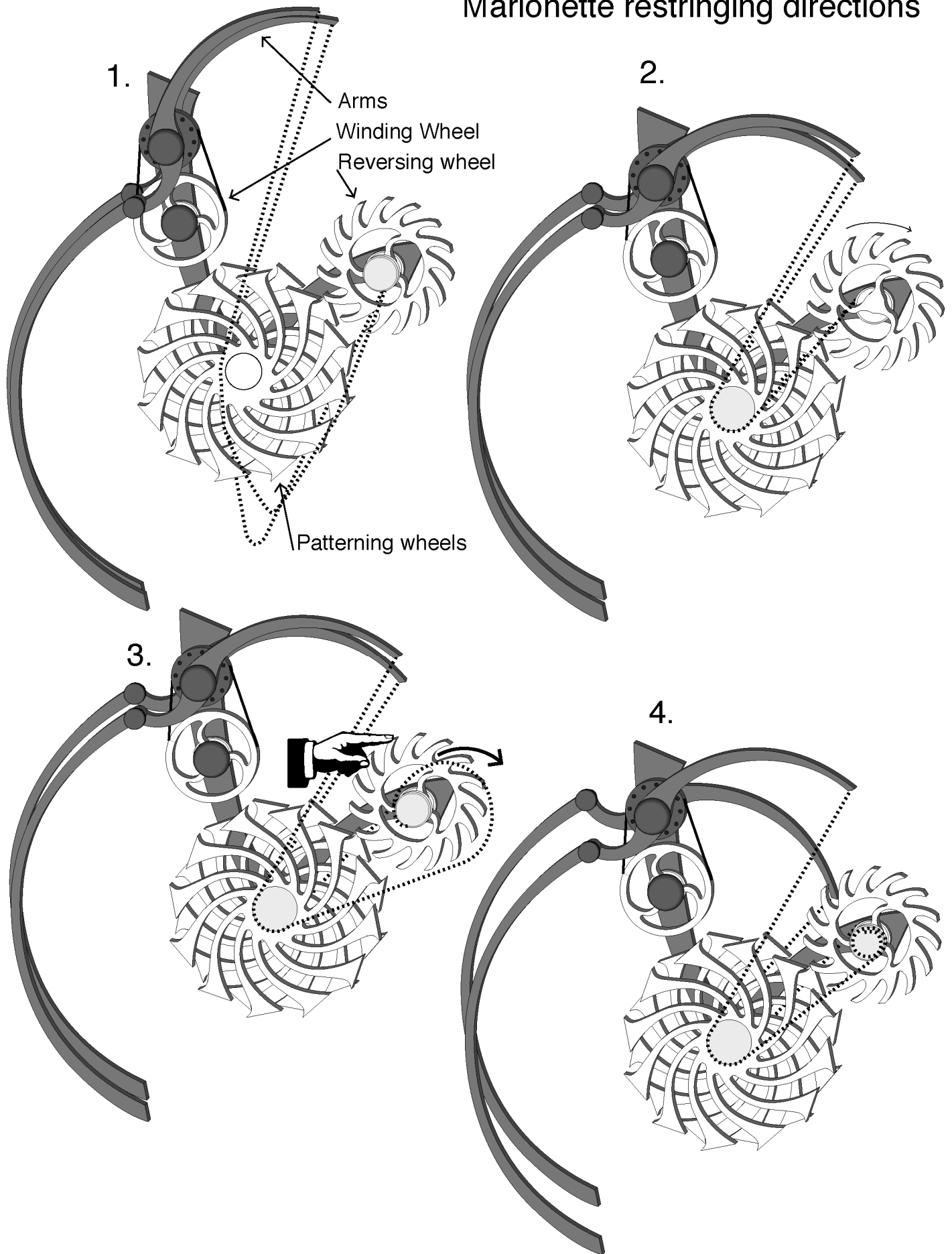


Marionette restringing directions



Marionette Restringing Directions

- Make sure the spring is unwound
- If it isn't, remove the black drive belt, and let the drive wheel slowly unwind with your hand.
- Unwind and untangle both the front and rear strings so that they hang free as in diagram 1.
- Turn the reversing wheel clockwise to wind the strings around the front and back spools on the reversing wheel. As you are turning the reversing wheel, guide the strings into the front and rear pulleys on the patterning wheels. Keep turning the reversing wheel until the arms are nearly horizontal. **DO NOT RELEASE THE REVERSING WHEEL.**
- While still holding the reversing wheel with one hand, unwind all the string from the front reversing wheel spool and rewind it in the opposite direction. The string will come out of the pulley on the front patterning wheel while you are doing this. Put it back under the pulley when you are done.
- The last step is to adjust the front string to its proper length.
- Replace the black drive belt if it is still hanging free.
- Wind the winding wheel one turn.
- Start the sculpture as you normally would.
- Check the action of the small levers that hang from each of the arms and interact with the pins on the pin wheel. In a properly adjusted sculpture the levers should appear to "walk" from one pin to the next on alternate sides of the pin wheel.
- If the levers both come to rest on pins at the same time undo one loop of string from the front reversing wheel spool and start the sculpture again.
- If either lever skips a pin, stop the motion and wind one additional loop of string around the front reversing wheel spool.